

**REMARKS/ARGUMENTS**

The Examiner's proposed amendment mailed June 14, 2005 has been carefully considered. Reconsideration in view of the following remarks is respectfully requested.

Applicants gratefully acknowledge the indication of allowance of claims 1-9 on the condition of the proposed amendment.

The applicants respectfully agrees with the Examiner's proposed amendments on Claims 1, 2, 3, 5, and 7-9. The additional amendments are added to Claims 1-2 and 6 to correct an apparent typographical error.

The applicants respectfully disagrees with the Examiner's proposed amendments to Claims 4 and 6.

**Re: Claim 1**

The second formula in claim 1 included a typographical error. The sum  $S_j$  should be from  $j = 0$  to  $j = r$ . This corresponds to claim 1 in the original specification. The correct formula is shown on page 18, line 7 in the specification.

**Re: Claim 2**

The proposed amendment "the samples input signals" on line 4 of claim 2 includes an apparent typographical error. It should be "the samples of the input signals of odd rank."

Furthermore, " $(I_k^p, I_{k-1}^{pi}, \dots)$ " on line 3 of claim 2 includes an apparent typographical error. The specification on page 10, line 29 – page 11, line 10 describes that even samples are  $I_k^p$  and  $I_{k-1}^p$ . Therefore, it has been amended to " $(I_k^p, I_{k-1}^p, \dots)$ ."

Re: Claim 4

Applicants respectfully disagree with the proposed amendment to claim dependency from “claim 2” to “claim 3” referred to in claim 4. The dependent claim on which claim 4 depends is claim 2, not claim 3, because the first and second storing means are first recited in claim 2.

Applicants respectfully agree with the rest of the proposed amendment to claim 4.

Re: Claim 6

Applicants respectfully disagree with the Examiner’s proposed amendment on lines 2 and 5 of claim 6.

A receiver recited in claim 6 comprises an “analog/digital” converter, not “digital/analog” converter. The specification on page 15, line 29 - page 16, line 6 describes that the receiver comprises an analog/digital converter (CAN(I), CAN(Q)), not a digital/analog converter. Therefore, “an analog/digital” on line 2 of claim 6 should not be amended.

Furthermore, “digital/analog converter” on line 5 of claim 6 is an apparent typographical error, because it refers to “an analog/digital converter” on line 2 of claim 6. As shown in Fig. 10, a digital filter (F(I), F(Q)) receives the digital samples delivered by the analog/digital converter (CAN(I), CAN (Q)). Therefore, it has been amended to “analog/digital converter.”

Applicants respectfully agree with the rest of the proposed amendment to claim 6.

In view of the foregoing, it is respectfully asserted that the claims are now in condition for allowance.

Conclusion

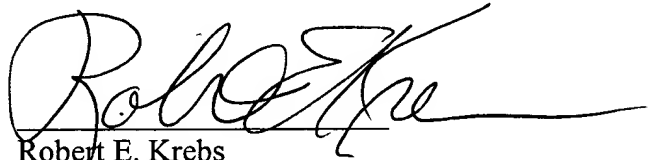
It is believed that this Amendment places the above-identified patent application into condition for allowance. Early favorable consideration of this Amendment is earnestly solicited.

If, in the opinion of the Examiner, an interview would expedite the prosecution of this application, the Examiner is invited to call the undersigned attorney at the number indicated below.

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. Please charge any additional required fee or credit any overpayment not otherwise paid or credited to our deposit account No. 50-1698.

Respectfully submitted,

THELEN REID & PRIEST, LLP

A handwritten signature in black ink, appearing to read "Robert E. Krebs", written over a horizontal line.

Robert E. Krebs  
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